

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/582,420
Source: IFWP
Date Processed by STIC: 6/22/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 06/22/2006

PATENT APPLICATION: US/10/582,420

TIME: 12:51:14

Input Set : A:\JEEKP103US.txt

Output Set: N:\CRF4\06222006\J582420.raw

4 <110> APPLICANT: BEIJING INSTITUTE OF RADIATION MEDICINE et al
 5 Shifu, ZHAO
 6 Yong, ZHANG
 7 Lili, Yin

9 <120> TITLE OF INVENTION: Glycine-Rich Proteins, Their Coding Genes and Applications

11 <130> FILE REFERENCE: JEEKP103US

C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/582,420

C--> 13 <141> CURRENT FILING DATE: 2006-06-09

13 <150> PRIOR APPLICATION NUMBER: CN200310117354.6

14 <151> PRIOR FILING DATE: 2003-12-11

16 <160> NUMBER OF SEQ ID NOS: 14

18 <210> SEQ ID NO: 1

19 <211> LENGTH: 79

20 <212> TYPE: PRT

21 <213> ORGANISM: Homo sapiens

23 <400> SEQUENCE: 1

24 Met Pro Val Ala Val Gly Pro Tyr Gly Gln Ser Gln Pro Ser Cys Phe

25 1 5 10 15

26 Asp Arg Val Lys Met Gly Phe Val Met Gly Cys Ala Val Gly Met Ala

27 20 25 30

28 Ala Gly Ala Leu Phe Gly Thr Phe Ser Cys Leu Arg Ile Gly Met Arg

29 35 40 45

30 Gly Arg Glu Leu Met Gly Gly Ile Gly Lys Thr Met Met Gln Ser Gly

31 50 55 60

32 Gly Thr Phe Gly Thr Phe Met Ala Ile Gly Met Gly Ile Arg Cys

33 65 70 75

35 <210> SEQ ID NO: 2

36 <211> LENGTH: 240

37 <212> TYPE: DNA

38 <213> ORGANISM: Homo sapiens

40 <400> SEQUENCE: 2

41 atgccgggtgg ccgtgggtcc ctacggacag tcccagccaa gctgcttcga ccgtgtcaaa 60

42 atgggcttcg tgatgggttg cgccgtgggc atggcgcccg gggcgctctt cggcaccttt 120

43 tcctgtctca ggatcggaat gcggggtcga gagctgatgg gcggcattgg gaaaaccatg 180

44 atgcagagtg gcggcacctt tggcacattc atggccattg ggatgggcat ccgatgctaa 240

47 <210> SEQ ID NO: 3

48 <211> LENGTH: 80

49 <212> TYPE: PRT

50 <213> ORGANISM: Danio rerio

52 <400> SEQUENCE: 3

53 Met Pro Val Ser Val Gly Ser Tyr Gly Gln Gln Ala Gln Pro Ser Cys

54 1 5 10 15

55 Phe Asp Arg Val Lys Met Gly Phe Met Met Gly Phe Ala Val Gly Met

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56          20          25          30
57 Ala Ala Gly Ala Met Phe Gly Thr Phe Ser Cys Leu Arg Ile Gly Met
58          35          40          45
59 Arg Gly Arg Glu Leu Met Gly Gly Val Gly Lys Thr Met Met Gln Ser
60          50          55          60
61 Gly Gly Thr Phe Gly Thr Phe Met Ala Ile Gly Met Gly Ile Arg Cys
62 65          70          75          80
64 <210> SEQ ID NO: 4
65 <211> LENGTH: 128
66 <212> TYPE: PRT
67 <213> ORGANISM: Anopheles gambiae
69 <400> SEQUENCE: 4
70 Tyr Tyr Tyr Val Ile Val Val His Cys Cys Asp Asn Thr His Phe Asn
71 1          5          10          15
72 Glu Phe Val Pro Lys Ile Lys Leu Pro Pro Arg Lys Arg Tyr Val Arg
73          20          25          30
74 Ser Gly Ser Phe Gln Ile Leu Gln Lys Thr Asp Thr Lys Ser Thr Met
75          35          40          45
76 Pro Ala Val Pro Gly Gly Val Tyr Ser Gln Asn Gln Gln Pro Ser Cys
77          50          55          60
78 Phe Asp Arg Met Lys Met Gly Phe Thr Ile Gly Phe Cys Val Gly Met
79 65          70          75          80
80 Ala Ser Gly Ala Leu Phe Gly Gly Phe Ser Ala Leu Arg Tyr Gly Leu
81          85          90          95
82 Arg Gly Arg Glu Leu Ile Asn Asn Val Gly Lys Val Met Val Gln Gly
83          100          105          110
84 Gly Gly Thr Phe Gly Thr Phe Met Ala Ile Gly Thr Gly Ile Arg Cys
85          115          120          125
87 <210> SEQ ID NO: 5
88 <211> LENGTH: 79
89 <212> TYPE: PRT
90 <213> ORGANISM: Drosophila melanogas
92 <400> SEQUENCE: 5
93 Met Pro Leu Pro Thr Ser Ser Phe Ser Gln Gln Gly Pro Thr Cys Phe
94 1          5          10          15
95 Asp Lys Met Lys Thr Gly Phe Ile Ile Gly Phe Cys Val Gly Met Ala
96          20          25          30
97 Ser Gly Ala Val Phe Gly Gly Phe Ser Ala Leu Arg Tyr Gly Leu Arg
98          35          40          45
99 Gly Arg Glu Leu Ile Asn Asn Val Gly Lys Thr Met Val Gln Gly Gly
100          50          55          60
101 Gly Thr Phe Gly Thr Phe Met Ala Ile Gly Thr Gly Ile Arg Cys
102 65          70          75
104 <210> SEQ ID NO: 6
105 <211> LENGTH: 145
106 <212> TYPE: PRT
107 <213> ORGANISM: Caenorhabditis elegans
109 <400> SEQUENCE: 6
110 Met Pro Val Pro Ser Gly Tyr Ala Ala His Pro Gln Gly Ser Gln Pro

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111 1           5           10           15
112 Ser Cys Phe Thr Lys Ile Arg Met Gly Leu Met Met Gly Ala Met Ile
113           20           25           30
114 Gly Gly Ala Thr Gly Ile Leu Leu Gly Gly Phe Met Gly Phe Arg Ala
115           35           40           45
116 Gly Met Arg Gly Lys Asp Leu Leu Leu Gln Thr Gly Lys Thr Val Ala
117           50           55           60
118 Gln Ser Gly Gly Ser Phe Gly Val Phe Met Gly Val Ala Gln Gly Leu
119 65           70           75           80
120 Arg Tyr Ile Phe Phe Lys Asn Leu Ala Gly Thr Gly Phe Trp Pro Phe
121           85           90           95
122 Ser Leu Asn Phe Ser Arg Ser Ile Asp Asn Cys Pro Arg Gly Lys Val
123           100          105          110
124 Val Tyr Ser Thr Arg Thr Asn Ala Phe Arg Phe Thr Thr Glu Ile Glu
125           115          120          125
126 Lys Lys Glu Pro Arg Arg Asp Thr Gln Arg Ala Val Asn Leu Pro Gln
127           130          135          140
128 Ile
129 145

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131 <210> SEQ ID NO: 7

132 <211> LENGTH: 162

133 <212> TYPE: PRT

134 <213> ORGANISM: Caenorhabditis elegans

136 <400> SEQUENCE: 7

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137 Met Gln His Thr His Lys Glu Ala Asn Arg Arg Val Leu Gln Arg Lys
138 1           5           10           15
139 Lys Ile Asn Leu Leu Glu Met Ser Asp Lys Ile Cys Arg Asn Leu Ile
140           20           25           30
141 Tyr Phe Gln Asn Phe Gln Ile Arg Met Gly Leu Met Met Gly Ala Met
142           35           40           45
143 Ile Gly Gly Ala Thr Gly Ile Leu Leu Gly Gly Phe Met Gly Phe Arg
144           50           55           60
145 Ala Gly Met Arg Gly Lys Asp Leu Leu Leu Gln Thr Gly Lys Thr Val
146 65           70           75           80
147 Ala Gln Ser Gly Gly Ser Phe Gly Val Phe Met Gly Val Ala Gln Gly
148           85           90           95
149 Leu Arg Tyr Ile Phe Phe Lys Asn Leu Ala Gly Thr Gly Phe Trp Pro
150           100          105          110
151 Phe Ser Leu Asn Phe Ser Arg Ser Ile Asp Asn Cys Pro Arg Gly Lys
152           115          120          125
153 Val Val Tyr Ser Thr Arg Thr Asn Ala Phe Arg Phe Thr Thr Glu Ile
154           130          135          140
155 Glu Lys Lys Glu Pro Arg Arg Asp Thr Gln Arg Ala Val Asn Leu Pro
156 145          150          155          160
157 Gln Ile

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159 <210> SEQ ID NO: 8

160 <211> LENGTH: 120

161 <212> TYPE: PRT

162 <213> ORGANISM: Schizosaccharomyces pombe

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164 <400> SEQUENCE: 8
165 Met Gln Ser Met Gln Pro Ser Thr Val Asp Lys Leu Lys Met Gly Ala
166 1 5 10 15
167 Ile Met Gly Ser Ala Ala Gly Leu Gly Ile Gly Phe Leu Phe Gly Gly
168 20 25 30
169 Val Ala Val Leu Arg Tyr Gly Pro Gly Pro Arg Gly Phe Leu Arg Thr
170 35 40 45
171 Leu Gly Gln Tyr Met Leu Thr Ser Ala Ala Thr Phe Gly Phe Phe Met
172 50 55 60
173 Ser Ile Gly Ser Val Ile Arg Asn Glu Asp Ile Pro Leu Ile Gln Gln
174 65 70 75 80
175 Ser Gly Ser His Trp Asn Gln Arg Leu Leu Asn Glu Asn Ala Asn Ser
176 85 90 95
177 Ser Arg Ile Phe Ala Leu Ala Met Gln Gln Ala Lys Ser Ser Pro Arg
178 100 105 110
179 Lys Ser Asn Glu Val Ala Glu Cys
180 115 120
182 <210> SEQ ID NO: 9
183 <211> LENGTH: 113
184 <212> TYPE: PRT
185 <213> ORGANISM: Sacchromyces cerevisiae
187 <400> SEQUENCE: 9
188 Met Pro Pro Leu Pro Gln Asn Tyr Ala Gln Gln Gln Pro Ser Asn Trp
189 1 5 10 15
190 Asp Lys Phe Lys Met Gly Leu Met Met Gly Thr Thr Val Gly Val Cys
191 20 25 30
192 Thr Gly Ile Leu Phe Gly Gly Phe Ala Ile Ala Thr Gln Gly Pro Gly
193 35 40 45
194 Pro Asp Gly Val Val Arg Thr Leu Gly Lys Tyr Ile Ala Gly Ser Ala
195 50 55 60
196 Gly Thr Phe Gly Leu Phe Met Ser Ile Gly Ser Ile Ile Arg Ser Asp
197 65 70 75 80
198 Ser Glu Ser Ser Pro Met Ser His Pro Asn Leu Asn Leu Gln Gln Gln
199 85 90 95
200 Ala Arg Leu Glu Met Trp Lys Leu Arg Ala Lys Tyr Gly Ile Arg Lys
201 100 105 110
202 Asp
204 <210> SEQ ID NO: 10
205 <211> LENGTH: 74
206 <212> TYPE: PRT
207 <213> ORGANISM: Arabidopsis thaliana
209 <400> SEQUENCE: 10
210 Met Ala Lys Asn Ser Cys Leu Ala Lys Ile Thr Ala Gly Val Ala Val
211 1 5 10 15
212 Gly Gly Ala Leu Gly Gly Ala Val Gly Ala Val Tyr Gly Thr Tyr Glu
213 20 25 30
214 Ala Ile Arg Val Lys Val Pro Gly Leu His Lys Val Arg Phe Ile Gly
215 35 40 45
216 Gln Thr Thr Leu Ser Ser Ala Ala Ile Phe Gly Leu Phe Leu Gly Ala

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217      50                      55                      60
218 Gly Ser Leu Ile His Cys Gly Lys Gly Tyr
219 65                      70
221 <210> SEQ ID NO: 11
222 <211> LENGTH: 168
223 <212> TYPE: PRT
224 <213> ORGANISM: Plasmodium falciparum 3D7
226 <400> SEQUENCE: 11
227 Met Met Asn Trp Phe Arg Lys Lys Asp Ser Asn Glu Asn Lys Lys Val
228 1      5                      10                      15
229 Lys Ser Glu Tyr Asp Glu Tyr Val Thr Pro Pro Pro Phe Gly Asn Tyr
230      20                      25                      30
231 Leu Val Ser Glu Pro Lys Lys Pro Lys Ser Leu Lys Asn Asp Lys Thr
232      35                      40                      45
233 Ala Ile Thr Glu Phe Lys Gly Phe Thr Pro Pro Pro Lys Phe Glu Phe
234      50                      55                      60
235 Lys Glu Asp Ile Ser Asp Asn Lys Tyr Glu Glu Asp Phe Ser Lys Tyr
236 65      70                      75                      80
237 Thr Ser Asn Asn Ile Ile Asp Ser Ser Phe Tyr Asp Asp Lys Lys Lys
238      85                      90                      95
239 Leu Ser Asp Val Asn Leu Ser His Arg Thr Arg Ala Cys Phe Glu Ser
240      100                     105                     110
241 Ile Lys Met Gly Val Lys Met Gly Thr Met Val Gly Gly Ile Phe Gly
242      115                     120                     125
243 Ser Leu Thr Gly Ile Tyr Ala Ser Phe Ala His Lys Asn Leu Phe Ile
244      130                     135                     140
245 Leu Pro Val Ser Val Leu Gly Gly Ala Val Ser Phe Gly Phe Phe Leu
246 145      150                     155                     160
247 Gly Cys Gly Met Ile Val Arg Cys
248      165
250 <210> SEQ ID NO: 12
251 <211> LENGTH: 167
252 <212> TYPE: PRT
253 <213> ORGANISM: Plasmodium yoelii yoelii
255 <400> SEQUENCE: 12
256 Met Met Asn Trp Phe Lys Lys Lys Glu Thr Thr Glu Glu Pro Gln Val
257 1      5                      10                      15
258 Lys Ser Glu Tyr Asp Ser Tyr Val Thr Pro Pro Pro Phe Gly Asn Tyr
259      20                      25                      30
260 Leu Ala Lys Lys Pro Glu Lys Pro Lys Ser Leu Lys Asn Glu Lys Ile
261      35                      40                      45
262 Asn Val Thr Glu Phe Lys Gly Phe Thr Pro Pro Pro Lys Phe Glu Phe
263      50                      55                      60
264 Lys Glu Asp Thr Thr Asp Thr Gln Tyr Asp Gln Asp Phe Ser Lys Tyr
265 65      70                      75                      80
266 Thr Asn Asn Asn Phe Ile Asp Ser Ser Phe Tyr Asp Asp Lys Pro Asn
267      85                      90                      95
268 Met Phe Asp Phe Thr Leu Ser His Arg Thr Lys Ala Cys Leu Glu Ser
269      100                     105                     110

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/582,420

DATE: 06/22/2006

TIME: 12:51:15

Input Set : A:\JEEKP103US.txt

Output Set: N:\CRF4\06222006\J582420.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date